

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1094	320/132.ccls.	US-PGPUB; USPAT	OR	ON	2010/04/24 19:57
L2	22	((state near charge) or "SOC") same capacity same (substrac \$4 or delta or difference)).clm.	US-PGPUB	OR	ON	2010/04/24 19:59
L3	214	((state near charge) or "SOC") same capacity same (substrac \$4 or delta or difference))	US-PGPUB	OR	ON	2010/04/24 19:59
S1	3250	320/132,134,136,162.ccls. or 324/426,427.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/14 18:20
S2	3	"6515453"	US-PGPUB; USPAT	OR	ON	2008/10/14 18:21
S3	46	"6016047"	US-PGPUB; USPAT	OR	ON	2008/10/14 18:21
S4	2	"6420851"	US-PGPUB; USPAT	OR	ON	2008/10/14 18:21
S5	27	S1 and second near (SOC)	US-PGPUB; USPAT	OR	ON	2008/10/14 18:26
S6	10	("20010035742" "20040119441" "20040155629" "20050231165" "5680050" "6653819" "6700383" "6710575" "6960899" "7078878").PN. OR ("7317299").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/14 19:00
S7	7	("5281919" "6127806" "6150823" "6359419").PN. OR ("6845332").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/14 19:19
S8	1	"20030097225"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/14 19:30
S9	4	"6845332"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/14 19:30
S10	12	"5422822"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/14 19:30
S11	0	"2002117997"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/14 19:33
S12	1	"20020117997"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/14 19:33
S13	0	jp-2003351685-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/14 19:40

S14	0	jp-20030351685-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/14 19:40
S15	42	("320".clas. or "324".clas.) and second near (SOC)	US-PGPUB; USPAT	OR	ON	2008/10/14 19:49
S16	12	("320".clas. or "324".clas.) and ((difference or delta) near (SOC)) same charg\$3	US-PGPUB; USPAT	OR	ON	2008/10/15 12:25
S17	93	"5789899"	US-PGPUB; USPAT	OR	ON	2008/10/15 13:06
S18	6	lithium and ((difference or delta) near (SOC)) same charg \$3	US-PGPUB; USPAT	OR	ON	2008/10/15 13:09
S19	1	li-ion and (((difference or delta) near (SOC)) same charg\$3)	US-PGPUB; USPAT	OR	ON	2008/10/15 13:12
S20	3	li-ion and ((constant adj voltage) same SOC)	US-PGPUB; USPAT	OR	ON	2008/10/15 14:37
S21	39	lithium and ((constant adj voltage) same SOC)	US-PGPUB; USPAT	OR	ON	2008/10/15 14:39
S22	236	lithium and ((constant adj voltage) same (state near3 charge))	US-PGPUB; USPAT	OR	ON	2008/10/15 14:50
S23	122	lithium and ((constant adj voltage) same ((state near3 charge) with (measur\$3 or detect\$3 or calculat\$3)))	US-PGPUB; USPAT	OR	ON	2008/10/15 14:50
S24	52	S23 and ("320".clas. or "324". clas.)	US-PGPUB; USPAT	OR	ON	2008/10/15 14:50
S25	1	"10598038"	US-PGPUB; USPAT	OR	ON	2009/01/03 14:55
S26	1	"20020117997"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/03 15:05
S27	1	wo-02091007-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/03 15:06
S28	1	("2002/0117997").URPN.	USPAT	OR	ON	2009/01/03 15:35
S29	10	((HENDRIK) near2 (BERGVELD)).INV.	US-PGPUB; USPAT	OR	ON	2009/01/03 15:37
S30	4	("4021718" "5631540" "6388447").PN. OR ("6515453").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/03 15:38
S31	0	((VALER) near2 (POP)).INV.	USPAT; USOCR	OR	ON	2009/01/03 15:40
S32	17	((PETRUS) near2 (NOTTEN)). INV.	US-PGPUB; USPAT	OR	ON	2009/01/03 15:40
S33	33	koninklijke and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/01/03 15:47

S34	46	EMF same SOC	US-PGPUB; USPAT	OR	ON	2009/01/03 19:48
S35	2	"6420851"	US-PGPUB; USPAT	OR	ON	2009/01/03 19:50
S36	3	"6515453"	US-PGPUB; USPAT	OR	ON	2009/01/03 19:50
S37	12	S34 and ("320".clas. or "324". clas.)	US-PGPUB; USPAT	OR	ON	2009/01/03 19:54
S38	4	(electromotive adj voltage) same SOC	US-PGPUB; USPAT	OR	ON	2009/01/03 19:55
S39	0	(electromotive adj voltage) same overpotential	US-PGPUB; USPAT	OR	ON	2009/01/03 19:56
S40	0	(electromotive adj voltage) and overpotential	US-PGPUB; USPAT	OR	ON	2009/01/03 19:57
S41	16	electromotive same overpotential	US-PGPUB; USPAT	OR	ON	2009/01/03 19:57
S42	3	S41 and ("320".clas. or "324". clas.)	US-PGPUB; USPAT	OR	ON	2009/01/03 19:57
S43	0	"320.157.3clas." and (low adj pass)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/03 20:16
S44	0	320/157.clas. and (low adj pass)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/03 20:16
S45	2	320/157.ccls. and (low adj pass)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/03 20:17
S46	79	"320".clas. and ((low adj pass) same ((measur\$3 or detect\$3 or sens\$3) near (voltage or current)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/03 20:18
S47	55	"320".clas. and ((low adj pass) same ((measur\$3 or detect\$3 or sens\$3) near (voltage)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/03 20:20
S48	2	S47 and (pulse\$1 adj current)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/03 20:20
S49	437	"320".clas. and (battery near charging) same engine	US-PGPUB; USPAT	OR	ON	2009/01/03 20:22
S50	13	"320".clas. and (battery adj charging) near engine	US-PGPUB; USPAT	OR	ON	2009/01/03 20:35
S51	248	"320".clas. and (battery adj charging) same engine	US-PGPUB; USPAT	OR	ON	2009/01/03 20:37
S52	5	"320".clas. and ((battery adj charging) near current) same engine same alternator same vehicle	US-PGPUB; USPAT	OR	ON	2009/01/03 20:40
S53	12	((HENDRIK) near2 (BERGVELD)).INV.	US-PGPUB; USPAT	OR	ON	2009/06/17 14:42
S54	1	((VALER) near2 (POP)).INV.	US-PGPUB; USPAT	OR	ON	2009/06/17 14:42
S55	17	((PETRUS) near2 (NOTTEN)). INV.	US-PGPUB; USPAT	OR	ON	2009/06/17 14:42

S56	6	(S53 or S54 or S55) and (state near charge)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/17 14:43
S57	981	320/132.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/17 14:45
S58	16	"SOC" near delta and battery	US-PGPUB; USPAT	OR	ON	2009/06/17 14:59
S59	30	"SOC" near3 delta and battery	US-PGPUB; USPAT	OR	ON	2009/06/17 15:02
S60	14	S59 not S58	US-PGPUB; USPAT	OR	ON	2009/06/17 15:02
S61	19	"6359419"	US-PGPUB; USPAT	OR	ON	2009/06/17 15:05
S62	386	324/427.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/17 15:23
S63	1	"11057976"	US-PGPUB; USPAT	OR	ON	2009/06/24 15:19
S64	0	S63 and (difference same charge)	US-PGPUB; USPAT	OR	ON	2009/06/24 15:20
S65	0	S63 and (difference same charg \$3)	US-PGPUB; USPAT	OR	ON	2009/06/24 15:20
S66	1	"20040260850"	US-PGPUB; USPAT	OR	ON	2009/06/24 15:58
S67	2	"20030131267"	US-PGPUB; USPAT	OR	ON	2009/06/24 16:11
S68	15	("20030026183" "4402271" "4491007" "4768926" "4837488" "5365577" "5469746" "5631758" "6308215" "6363085" "6393588" "6460094" "6542946" "6705527" "7007119").PN. OR ("7272740").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/24 16:14
S69	1	("2002/0117997").URPN.	USPAT	OR	ON	2009/07/01 08:47
S70	0	"10015721"	USPAT	OR	ON	2009/07/01 08:48
S71	2	"10/015721"	US-PGPUB; USPAT	OR	ON	2009/07/01 08:48
S72	4	("4021718" "5631540" "6388447").PN. OR ("6515453").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 08:49
S73	988	320/132.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 08:54
S74	74	(SOC near (delta or difference or subtract\$4 or subtract\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 10:34
S75	3	("2003/0097225").URPN.	USPAT	OR	ON	2009/07/01 10:36
S76	2	("20030097225" "6845332").PN. OR ("7362076").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 10:37

S77	1	"7233128"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 10:55
S78	12	("20020113595" "20020196026" "20030074115" "5808445" "6275008" "6285163" "6356083" "6359419" "6388447" "6608482" "6629027" "6646421").PN. OR ("7233128").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 10:55
S79	53	"4558281"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 11:00
S80	25	"6300763"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 11:02
S81	28	(second near2 "SOC") same (subtract or subtract or delta or difference)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 11:04
S82	112	("20020008495" "20020026252" "20020031700" "20030047366" "20030082440" "20030142228" "20030236656" "20040021468" "3906329" "4153867" "4193025" "4207611" "4322685" "4595880" "4642600" "4659977" "4665370" "4719427" "4816736" "4876513" "4888716" "4937528" "4943777" "4952861" "5002840" "5032825" "5055656" "5079716" "5130699" "5159272" "5162164" "5204610" "5223351" "5280231" "5281919" "5316868" "5321627" "5352968" "5381096" "5404129" "5412323" "5416402" "5428560" "5439577" "5488283" "5549984" "5552642" "5563496" "5572136" "5578915" "5650712" "5656915" "5680050" "5698965" "5721688" "5744936" "5744963" "5761072" "5773977" "5808367" "5808445" "5818116" "5818333" "5896023" "5898292" "5936383" "5965954" "5977654" "5990660" "6016047" "6037749" "6037777" "6057666"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 11:27

		"6087808" "6091325" "6118252" "6118275" "6144185" "6160382" "6222341" "6268712" "6271642" "6296593" "6300763" "6304059" "6331762" "6369578" "6388421" "6388450" "6392389" "6392414" "6392415" "6417668" "6424157" "6441585" "6445158" "6452361" "6472875" "6495990" "6507194" "6515452" "6515456" "6522148" "6534992" "6556019" "6600237" "6600293" "6608482" "6653818").PN. OR ("7253587").URPN.				
S83	168	SOC2	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 11:59
S84	38	S83 and (lithium same battery)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 11:59
S85	12	("4302714" "4876513" "5598088" "5650712" "5793188" "5796239" "5808445" "6011380").PN. OR ("6583606").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 12:10
S86	14	("5160880" "5680050" "6215312").PN. OR ("6366054").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 12:15
S87	50599	("SOC" or ((state or remaining or residual) near (charge or capacity))) same charg\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 14:09
S88	4601	("SOC" or ((state or remaining or residual) near (charge or capacity))) same charg\$3 same (delta or difference or subtract \$4 or subtract\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 14:10
S89	562	S88 and (lithium same battery)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 14:10
S90	12	("4302714" "4876513" "5598088" "5650712" "5793188" "5796239" "5808445" "6011380").PN. OR ("6583606").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/01 14:20
S91	3	"6515453"	US-PGPUB; USPAT	OR	ON	2009/07/01 14:58
S92	2	"6420851"	US-PGPUB; USPAT	OR	ON	2009/07/01 14:58
S93	4	("20040138836" "20050017725" "5422822" "6845332").PN. OR ("7200499").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 22:34

S94	12	("4302714" "4876513" "5598088" "5650712" "5793188" "5796239" "5808445" "6011380").PN. OR ("6583606").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 22:51
S95	4854	("SOC" or ((state or remaining or residual) near (charge or capacity))) same charg\$3 same (delta or difference or subtract \$4 or subtract\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 23:14
S96	888	S95 and "320".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 23:14
S97	21	"5773959"	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/06 16:46
S98	1	"7573229"	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/06 16:57
S99	6	"6744603"	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/06 16:57
S100	8	"6774603"	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/06 17:03
S101	10	vehicle same (second near4 "SOC" same charging)	US-PGPUB; USPAT	OR	ON	2010/01/16 23:26
S102	52	delta near3 "SOC"	US-PGPUB; USPAT	OR	ON	2010/01/16 23:29
S103	0	S102 same voltage same charging	US-PGPUB; USPAT	OR	ON	2010/01/16 23:29
S104	6	S102 same voltage	US-PGPUB; USPAT	OR	ON	2010/01/16 23:30
S105	29	S102 and ("SOC" same voltage)	US-PGPUB; USPAT	OR	ON	2010/01/16 23:30
S106	1331	"SOC" same ((measur\$3 or detect\$4 or sens\$4) near3 voltage)	US-PGPUB; USPAT	OR	ON	2010/01/16 23:32
S107	7	S102 and S106	US-PGPUB; USPAT	OR	ON	2010/01/16 23:32
S108	21	S102 and vehicle and ("SOC" same charging)	US-PGPUB; USPAT	OR	ON	2010/01/16 23:33
S109	529	S106 and vehicle and ("SOC" same charging)	US-PGPUB; USPAT	OR	ON	2010/01/16 23:34
S110	120	S109 and (first near4 "SOC")	US-PGPUB; USPAT	OR	ON	2010/01/16 23:35
S111	409	S109 not S110	US-PGPUB; USPAT	OR	ON	2010/01/16 23:52
S112	217	S111 and ("320".clas. or "324". clas.)	US-PGPUB; USPAT	OR	ON	2010/01/16 23:53
S113	10	("324".clas. or "320".clas.) and (delta near4 "SOC")	US-PGPUB; USPAT	OR	ON	2010/01/19 16:11
S114	0	("324".clas. or "320".clas.) and (diference near4 "SOC")	US-PGPUB; USPAT	OR	ON	2010/01/19 16:12

S115	113	("324".clas. or "320".clas.) and (difference near4 "SOC")	US-PGPUB; USPAT	OR	ON	2010/01/19 16:12
S116	1443	320/132.ccls. or 324/427,432.ccls.	US-PGPUB; USPAT	OR	ON	2010/01/21 12:31
S117	16	(voltage near4 (first near2 "SOC")) and (voltage near4 (second near2 "SOC"))	US-PGPUB; USPAT	OR	ON	2010/01/30 23:31

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